| Ref<br>#  | Hits  | Search Query  | DBs                                    | Default<br>Operator | Plurals | Time Stamp       |
|-----------|-------|---|--|---------------------|---------|------------------|
| L1        | 0     | laterx near3 deriv?   | USPAT                                  | OR                  | OFF     | 2005/02/03 15:22 |
| L2        | 1     | latex near3 deriv?  | USPAT                                  | OR                  | OFF     | 2005/02/03 15:22 |
| L3        | 0     | latex same deriv? same such   | USPAT                                  | OR                  | OFF     | 2005/02/03 15:23 |
| L4        | 0     | latex same deriv? same such   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:23 |
| .L5       | 307   | latex same deriv?   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:23 |
| L6        | 12    | latex same deriv? same includ?  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:41 |
| <b>L7</b> | 43    | (channel or well or microwell or microfluidi) same cell same immobil?   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:49 |
| L8        | 1     | I7 and ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate))                        | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:47 |
| <b>L9</b> | 26437 | latex same ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:51 |
| L10       | 431   | (channel or microwell or microfluidi) same immobil?   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:50 |
| L11       | 527   | (channel or microwell or microfluidi) same immobil?   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | ON      | 2005/02/03 15:50 |
| L12       | 26437 | latex same ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                  | OFF     | 2005/02/03 15:51 |

| L34 | 51 | (cell or coli or bacteria) same<br>((immobili\$3) near20 (jet or laser or<br>piezo)) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2005/02/03 17:48 |
|-----|----|--|--|----|----|------------------|
| L35 | 32 | l34 and @py<"2004"   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON | 2005/02/03 17:48 |

| L22 | 1       | biofilm same ((ink adj1 jet) or<br>(laser adj1 jet))   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:37 |
|-----|---------|--|--|----|-----------|------------------|
| L23 | 5.      | biofilm same print   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:39 |
| L24 | 8       | biofilm same printing  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:43 |
| L25 | 0       | cell same immoboli? same (jet or<br>laser or piezo or printing)                              | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:44 |
| L26 | 1142510 | cell immobili? same (jet or laser or piezo or printing)                                      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:45 |
| L27 | 1142510 | cell immobili? same (jet or laser or piezo)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ΘN        | 2005/02/03 17:45 |
| L28 | 0       | cell same immobili? same (jet or laser or piezo)   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:45 |
| L29 | Ó       | cell same immobili? same (jet or laser or piezo or printing)                                 | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:46 |
| L30 | 0       | immobili? same (jet or laser or piezo or printing)   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:46 |
| L31 | 2545    | (immobili\$3) same (jet or laser or<br>piezo or printing)                                    | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:46 |
| L32 | 433     | (cell or coli or bacteria) same<br>(immobili\$3) same (jet or laser or<br>piezo or printing) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON        | 2005/02/03 17:47 |
| L33 | 337     | (cell or coli or bacteria) same<br>(immobili\$3) same (jet or laser or<br>piezo)             | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | <b>ON</b> | 2005/02/03 17:47 |

| L13        | 28013 | latex same ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene)                | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 15:52 |
|------------|-------|--|--|----|-----|------------------|
| <b>114</b> | 0.    | l11 and l13  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON. | 2005/02/03 15:52 |
| L15        | 0     | l11 and l12  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 15:52 |
| <b>Ľ16</b> | 22    | L11 and ((ethylene adj1 butene) or<br>styrene or (vinyl adj1 toluene) or<br>(vinyl adj1 acetate) or (vinyl adj1<br>propionate) or acrylonitrile or<br>(acrylic adj1 acid) or (methyl adj1<br>acrylate) or (ethyl adj1<br>methacrylate) or polychloroprene) | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 16:17 |
| L17        | 75    | (biofilm same cell) and ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene)   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 16:18 |
| L18        | 47    | (biofilm near7 cell) and ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ÖN  | 2005/02/03 17:16 |
| L19        | 7     | biofilm same (gravure or acoustic or piezo)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 17:17 |
| L20        | 7     | biofilm same (gravure or acoustic or piezo)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 17:27 |
| L21        | 32    | biofilm and ((ink adj1 jet) or (laser<br>adj1 jet))  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR | ON  | 2005/02/03 17:28 |

|            |       |   |  | T                 |    | <del>                             </del> |
|------------|-------|---|--|-------------------|----|--|
| L13        | 28013 | latex same ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene)                   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                | ON | 2005/02/03 15:52                         |
| L14        | . 0   | l11 and l13   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                | ON | 2005/02/03 15:52                         |
| L15        | 0     | l11 and l12   | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                | ON | 2005/02/03 15:52                         |
| <b>L16</b> | 22    | L11 and ((ethylene adj1 butene) or<br>styrene or (vinyl adj1 toluene) or<br>(vinyl adj1 acetate) or (vinyl adj1<br>propionate) or acrylonitrile or<br>(acrylic adj1 acid) or (methyl adj1<br>acrylate) or (ethyl adj1<br>methacrylate) or polychloroprene)    | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | <b>OR</b>         | ON | 2005/02/03 16:17                         |
| L17        | 75    | (biofilm same cell) and ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 methacrylate) or polychloroprene)      | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                | ON | 2005/02/03 16:18                         |
| L18        | 47    | (biofilm near7 cell) and ((ethylene adj1 butene) or styrene or (vinyl adj1 toluene) or (vinyl adj1 acetate) or (vinyl adj1 propionate) or acrylonitrile or (acrylic adj1 acid) or (methyl adj1 acrylate) or (ethyl adj1 acrylate) or (ethyl adj1 acrylate) or | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT | OR                | ON | 2005/02/03 16:18                         |
| ?          |       | adj1 methacrylate) or polychloroprene)  |  | Charles (Charles) |    |  |

## Cheu, Changhwa

From:

Cheu, Changhwa

Sent:

Thursday, February 03, 2005 3:29 PM

To: Cheu, Changhwa

pleau scan

ethyl methacrylate

The monomers for the latex (B) include ethylene butene, styrene, alpha-methyl styrene, vinyl toluene, vinyl acetate, vinyl propionate, acrylonitrile, acrylic acid, methyl acrylate, and ethyl methacrylate. The latex pref. has an average grain size of up to 0.2 micron.

polychloroprene latex.

vinyl latex

ethylene butene

Styrene

I-mathyl styrene

unil toluene

May acetate

my propionate

acylonitrile

acryliz and

meryl anylate

1